## WHAT IS CLAIMED IS:

- 1. A semiconductor device comprising:
- a dielectric layer on a semiconductor substrate;
- a contact window passing through the dielectric layer;

an upper region of the contact window having a sidewall substantially perpendicular to the substrate; and

a lower region of the contact window having a width that increases in a direction toward the substrate.

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- 2. The semiconductor device of claim 1 further comprises a plurality of conductive patterns disposed between the second dielectric layer and the upper dielectric layer, wherein the conductive patterns are spaced apart from the contact window.
- The semiconductor device of claim 2, wherein one of the plurality of conductive patterns is spaced apart from another one of the plurality of conductive patterns by a selected distance, and a bottommost width of the contact window is wider than the selected distance.
- 20 4. A semiconductor device comprising:
  - a dielectric layer on a semiconductor substrate;
  - a contact window passing through the dielectric layer;
  - an upper region of the contact window having a sidewall substantially perpendicular to the substrate;
  - a lower region of the contact window having a wider width than that of the upper region of the contact window; and
    - a spacer on the sidewall.
  - 5. The semiconductor device of claim 4 further comprises a plurality of conductive patterns in the dielectric layer, wherein the plurality of conductive patterns is spaced apart from the contact window.
    - 6. The semiconductor device of claim 5, wherein one of the plurality of conductive patterns is spaced apart from another one of the plurality of conductive patterns

with a selected distance, and a bottommost width of the contact window is wider than the selected distance.

- 7. The semiconductor device of claim 4 further comprises a capping layer on the dielectric layer.
  - 8. The semiconductor device of claim 4, wherein the spacer is made of a material selected from the group consisting of polycrystalline silicon, silicon nitride and silicon oxynitride.

9. The semiconductor device of claim 7, wherein the capping layer is made from a material selected of the group consisting of polycrystalline silicon, silicon nitride and silicon oxynitride.

## 10. A semiconductor device comprising:

an interlayer dielectric layer on a semiconductor substrate, wherein the interlayer dielectric layer comprises a first dielectric layer, a second dielectric layer and a upper dielectric layer;

a contact window passing through the interlayer dielectric layer, wherein a lower region of the contact window has a wider width than that of an upper region of the contact window; and

a plurality of conductive patterns intervening between the second dielectric layer and the upper dielectric layer, wherein the conductive patterns are spaced apart from the contact window.

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11. The semiconductor device of claim 10, wherein one of the plurality of conductive patterns is spaced apart from another one of the plurality of conductive patterns with a selected distance, and a bottommost width of the contact window is wider than the distance.

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12. The semiconductor device of claim 10, wherein a width of the contact window in the upper dielectric layer is substantially the same as a width of the contact window in the second dielectric layer